

IC ICM **A61K048-00**; C12N015-09; C12N015-31; C12N015-63; C12N015-86
 ICS A61K031-70; A61K035-74; A61K037-02; A61K038-02; A61K039-00;
 C07H021-04; C12N005-10; C12N015-88; C12P021-00
 ICA A61K009-127; A61K035-12; C12N015-12; C12N015-24
 ICI C12N015-09, C12R001:32
 AB WO 9411513 A UPAB: 19940722
 Expression vector for treating neoplasms comprises nucleic acid including
 at least one sequence which expresses a **heat shock**
protein (hsp) or a chaperone (Ch; a **protein**
 which mediates folding of other **proteins** into their active
 configuration).
 Also new are (1) cells and neoplasm cell lines contg. such vectors;
 (2) cells or viruses having in the genome heterologous NA encoding
hsp or Ch. Pref. NA encodes a chaperonin or bacterial **hsp**
 , esp. **Mycobacterium leprae** 65 or 70 kD **hsp**.
 The vector is (a) a virus, esp. a disabled retrovirus, retroviral shuttle
 vector (specifically pZIPNeoSV(x)), vaccinia or adenovirus; (b) a plasmid
 or (c) an episomal vector.
 USE/ADVANTAGE - The vectors, cell lines, cells and viruses are used
 to treat or prevent neoplasms (e.g. sarcomas, carcinomas, lymphomas,
 neuroblastomas, melanomas, leukaemias, etc.). When esp. or Ch genes are
 used together with a cytokine gene, synergism may occur, increasing the
 chance of tumour eradication. Use with a gene for tumour antigen may
 impart protection against other neoplasms expressing the same antigen.
 Dwg.1b/5
 FS CPI
 FA AB; GI
 MC CPI: B04-E08; B04-F02; B04-F11; B14-H01A; B14-H01B; B14-S09; D05-H06;
 D05-H08; D05-H12A; D05-H12E; D05-H19

=> d his

(FILE 'HOME' ENTERED AT 15:13:22 ON 09 DEC 2002)
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 15:13:35 ON 09 DEC 2002
 E HEAT SHOCK PROTEIN/CT
 E E5+ALL
 L1 2711 S E2
 E HEAT-SHOCK PROTEIN/CT
 L2 2711 S E24,E25
 L3 136 S E7
 E E6+ALL
 L4 5904 S E3-E6
 L5 1687 S E33
 L6 9 S E37
 L7 25 S E47
 L8 9865 S E2+NT
 L9 12546 S L1-L8
 L10 17680 S HEAT SHOCK? (L) PROTEIN
 L11 11389 S HSP
 L12 6446 S L9-L11 AND 70
 L13 5815 S HSP70
 L14 8321 S L12,L13
 L15 8321 S L14 AND L1-L14
 L16 11 S PROTEIN#/SC,SX AND HEAT SHOCK?
 L17 20223 S L1-L16
 E ANTIGEN-PRESENT/CT
 E E5+ALL
 L18 7638 S E6/BI,CT
 L19 2283 S E6
 L20 7318 S E6+NT

E E11+ALL
 L21 3376 S E4
 L22 244 S L17 AND L18-L21
 L23 805 S L17 AND MYCOBACT?
 E MYCOBACTER/CT
 L24 5314 S E11-E120
 L25 1974 S E121-E156
 L26 884 S E157-E180
 E E3+ALL
 E E10+ALL
 L27 17220 S E5+NT
 E MYCOBACTERIUM PISCICIDA/CT
 L28 7634 S E4-E60
 L29 157 S E61-E65
 L30 548 S L17 AND L24-L29
 L31 805 S L23,L30
 L32 59 S L31 AND L22
 L33 21 S L32 AND (HSP70 OR HSP 70)
 L34 21 S L33 AND (1 OR 63 OR 15)/SC
 L35 8 S L33 AND (1 OR 63 OR 15)/SX
 L36 21 S L33-L35
 E DRUG DELIVERY/CT
 L37 40807 S E7-E120
 L38 23757 S E121-E180
 L39 13324 S E181-E204
 L40 8683 S E205-E216
 E E6+ALL
 L41 48056 S E3
 L42 125483 S E2+NT
 E DRUG DESIGN/CT
 E E3+ALL
 L43 5311 S E3
 E E12+ALL
 L44 3263 S E5
 E QSAR/CT
 E E4+ALL
 L45 5757 S E3,E4,E2+NT
 L46 62985 S E1+NT
 L47 338 S L17 AND L37-L46
 L48 61 S L47 AND L31
 L49 14 S L48 AND L22
 L50 27 S L36,L49
 E YOUNG /AU
 E YOUNG R/AU
 L51 303 S E3-E5
 L52 362 S E111-E114
 L53 27 S L51,L52 AND L17
 L54 2 S L53 AND L47
 L55 3 S L53 AND L22
 L56 21 S L53 AND L31
 L57 4 S L56 AND L54,L55
 L58 4 S L54,L55,L57
 L59 3 S L58 NOT PRODUCTION/TI
 L60 24 S L53-L58 NOT L59
 SEL DN AN 6 8 8 12 13 18 19
 L61 6 S L60 AND E1-E18
 L62 9 S L59,L61
 L63 455 S L8 (L) THU/RL
 L64 109 S L63 AND L37-L46
 L65 85 S L63 AND L31
 L66 31 S L64 AND L65
 L67 38 S L62,L66
 L68 42 S L36,L48 NOT L67

L69 22 S L68 AND (PY<=1997 OR PRY<=1997 OR AY<=1997)
 L70 6 S L69 AND (1 OR 63)/SC,SX
 L71 4 S L70 NOT (ALLOTYPE OR IGG)/TI
 L72 42 S L67,L71
 L73 33 S L72 NOT L51,L52
 L74 8 S L73 AND (PY<=1997 OR PRY<=1997 OR AY<=1997)
 L75 17 S L62,L71,L74
 L76 11632 S L17 AND (PY<=1997 OR PRY<=1997 OR AY<=1997)
 L77 501 S L76 AND L31
 L78 118 S L76 AND L47
 L79 62 S L76 AND L22
 L80 50 S L77 AND L78,L79
 L81 11 S L80 AND L75
 L82 39 S L80 NOT L81
 SEL DN AN 21 22
 L83 2 S L82 AND E19-E24
 L84 19 S L75,L81,L83
 L85 57 S L79 NOT L84
 L86 15 S L85 AND (HSP70 OR 70)
 L87 34 S L84,L86
 L88 31 S L87 AND (HSP70 OR HSP 70 OR 70)
 L89 3 S L87 NOT L88
 L90 34 S L88,L89
 L91 34 S L90 AND L1-L90
 L92 22 S L91 AND (MYCOBACT? OR TUBERCUL? OR VACCIN? OR IMMUNIZ? OR IMM
 L93 12 S L91 NOT L92
 SEL DN AN 8 10 11
 L94 9 S L93 NOT E25-E33
 L95 31 S L92,L94,L62
 L96 13 S L95 AND ?COMPLEX?
 L97 31 S L95,L96

FILE 'HCAPLUS' ENTERED AT 16:08:06 ON 09 DEC 2002

FILE 'BIOSIS' ENTERED AT 16:09:23 ON 09 DEC 2002

E YOUNG R/AU
 L98 756 S E3-E7
 E YOUNG RICH/AU
 L99 141 S E4,E5
 L100 897 S L98,L99
 L101 8589 S HSP70 OR (HSP OR HEAT SHOCK(L) PROTEIN) (L) 70
 L102 12 S L100 AND L101
 L103 6086 S HEAT (L)STRESS?(L) PROTEIN
 L104 20656 S HEAT (L)SHOCK?(L) PROTEIN
 L105 25 S L100 AND L103,L104
 L106 27 S L102,L105
 E MYCOBACTER/BC
 L107 58236 S E5
 L108 8 S L106 AND L107
 L109 13 S L106 AND MYCOBACTER?
 L110 13 S L108,L109
 L111 14 S L106 NOT L110
 SEL DN AN 3 4 12 13
 L112 4 S L111 AND E1-E8
 L113 17 S L110,L112

FILE 'BIOSIS' ENTERED AT 16:12:55 ON 09 DEC 2002

FILE 'WPIX' ENTERED AT 16:13:07 ON 09 DEC 2002

E YOUNG R/AU
 L114 222 S E3,E4
 L115 871 S HEAT(L) (SHOCK? OR STRESS?) (L) PROTEIN OR HSP OR HSP70
 L116 6 S L114 AND L115

L117 7980 S A61K048/IC, ICM, ICS
L118 77 S L115 AND L117
L119 22 S L118 AND (HSP70 OR HSP (L)70)
L120 12 S L118 AND 70
L121 24 S L119, L120
SEL DN AN L116 4
L122 1 S E1-E2
L123 35 S D05-H10/MC AND L115
L124 7 S L123 AND (HSP(L)70 OR HSP70)
L125 8 S L122, L124
L126 1 S L121 AND L125
L127 31 S L121, L125
L128 6 S L127 AND MYCOBACT?
L129 7 S L122, L128
L130 24 S L127 NOT L129
SEL DN AN 10 11 12 21 23
L131 5 S L130 AND E3-E12
L132 12 S L129, L131
L133 169 S L115/ABEX
L134 950 S L115, L133
L135 81 S L134 AND L117
L136 24 S L135 AND (70 OR HSP70)
L137 5 S L136 AND MYCOBACTER?
L138 0 S L136 AND MYCO BACTER?
SEL DN AN 4 5 L137
L139 2 S E13-E16
L140 12 S L132, L139 AND L114-L139

FILE 'WPIX' ENTERED AT 16:24:53 ON 09 DEC 2002